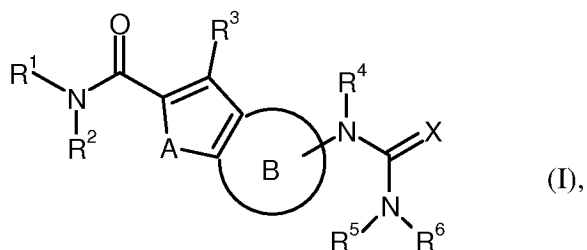


## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A compound of the formula



in which

R<sup>1</sup> is 1-azabicyclo[2.2.2]oct-3-yl,

$R^2$  is hydrogen,

$R^3$  is hydrogen,

$R^4$  is hydrogen,

R<sup>5</sup> is hydrogen

R<sup>6</sup> is (i) hydrogen, (ii) C<sub>1</sub>-C<sub>6</sub>-alkyl, (iii) C<sub>3</sub>-C<sub>8</sub>-cycloalkyl, (iv) C<sub>6</sub>-C<sub>10</sub>-aryl, (v) 5- to 10-membered heteroaryl, (vi) C<sub>6</sub>-C<sub>10</sub>-arylcarbonyl, where (ii) is optionally substituted by phenyl, C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl or C<sub>1</sub>-C<sub>6</sub>-alkoxy, and (iv), (v) and (vi) are optionally substituted by up to 3 radicals selected independently of one another from the group of C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-hydroxyalkyl, 3- to 8-membered heterocyclyl, C<sub>6</sub>-C<sub>10</sub>-aryl, 5- to 10-membered heteroaryl, hydroxy, halogen, cyano, C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>6</sub>-acyl, trifluoromethyl, trifluoromethoxy, nitro, amino, C<sub>1</sub>-C<sub>6</sub>-alkylamino, or C<sub>1</sub>-C<sub>6</sub>-acylamino,

A is sulfur,

X is oxygen, and

the ring B is benzo,

~~or a solvate, a salt or a solvate of a salt~~, a hydrate, or a hydrate of a salt thereof.

2. (Currently amended) A compound as claimed in claim 1, of the formula (I) in which

R<sup>1</sup> is 1-azabicyclo[2.2.2]oct-3-yl,

R<sup>2</sup> is hydrogen,

$R^3$  is hydrogen,

$R^4$  is hydrogen,

$R^5$  is hydrogen

$R^6$  is (i) hydrogen, (ii)  $C_1$ - $C_6$ -alkyl, (iii)  $C_3$ - $C_8$ -cycloalkyl, (iv)  $C_6$ - $C_{10}$ -aryl, (v) 5- to 10-membered heteroaryl, where (ii) is optionally substituted by phenyl, or  $C_1$ - $C_6$ -alkoxy, and (iv) and (v) are optionally substituted by up to 3 radicals selected independently of one another from the group of  $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -hydroxyalkyl, 3- to 8-membered heterocyclyl,  $C_6$ - $C_{10}$ -aryl, 5- to 10-membered heteroaryl, hydroxy, halogen, cyano,  $C_1$ - $C_6$ -alkoxy,  $C_1$ - $C_6$ -acyl, trifluoromethyl, trifluoromethoxy, nitro, amino,  $C_1$ - $C_6$ -alkylamino, or  $C_1$ - $C_6$ -acylamino,

A is sulfur, and

X is oxygen, and

the ring B is benzo,

~~or a solvate, a salt or a solvate of a salt~~, a hydrate, or a hydrate of a salt thereof.

3. (Currently amended) A compound as claimed in claim 1, of the formula (I) in which

$R^1$  is 1-aza-bicyclo[2.2.2]oct-3-yl,

$R^2$  is hydrogen,

$R^3$  is hydrogen,

$R^4$  is hydrogen,

$R^5$  is hydrogen,

$R^6$  is (i) hydrogen, (ii)  $C_1$ - $C_4$ -alkyl, (iii)  $C_5$ - $C_6$ -cycloalkyl, (iv) phenyl, (v) 5- to 6-membered heteroaryl, (vi)  $C_6$ - $C_{10}$ -arylcarbonyl, where (ii) is optionally substituted by phenyl,  $C_1$ - $C_4$ -alkoxycarbonyl or  $C_1$ - $C_3$ -alkoxy, and (iv), (v) and (vi) are optionally substituted by up to 3 radicals selected independently of one another from the group of  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -hydroxyalkyl, 3- to 8-membered heterocyclyl,  $C_6$ - $C_{10}$ -aryl, 5- to 10-membered heteroaryl, hydroxy, fluorine, chlorine, cyano,  $C_1$ - $C_3$ -alkoxy,  $C_1$ - $C_3$ -acyl, trifluoromethyl, trifluoromethoxy, nitro, amino,  $C_1$ - $C_3$ -alkylamino, or  $C_1$ - $C_3$ -acylamino,

A is sulfur,

X is oxygen, and

the ring B is benzo,

or ~~a solvate, a salt or a solvate of a salt~~, a hydrate, or a hydrate of a salt thereof.

4. (Currently amended) A compound as claimed claim 1, of the formula (I) in which

R<sup>1</sup> is 1-azabicyclo[2.2.2]oct-3-yl,

R<sup>2</sup> is hydrogen,

R<sup>3</sup> is hydrogen,

R<sup>4</sup> is hydrogen,

R<sup>5</sup> is hydrogen,

R<sup>6</sup> is (i) hydrogen, (ii) C<sub>1</sub>-C<sub>4</sub>-alkyl, (iii) C<sub>5</sub>-C<sub>6</sub>-cycloalkyl, (iv) phenyl, (v) 5- to 6-membered heteroaryl, where (ii) is optionally substituted by phenyl, and (iv) and (v) are optionally substituted by up to 3 radicals selected independently of one another from the group of C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-hydroxyalkyl, hydroxy, chlorine, fluorine, cyano, C<sub>1</sub>-C<sub>3</sub>-alkoxy, C<sub>1</sub>-C<sub>6</sub>-acyl, trifluoromethyl, trifluoromethoxy, amino, C<sub>1</sub>-C<sub>3</sub>-alkylamino, or C<sub>1</sub>-C<sub>3</sub>-acylamino,

A is sulfur,

X is oxygen and

the ring B is benzo,

or ~~a solvate, a salt or a solvate of a salt~~, a hydrate, or a hydrate of a salt thereof.

5. (Currently amended) A compound as claimed in claim 1, of the formula (I) in which

$R^1$  is 1-azabicyclo[2.2.2]oct-3-yl,

$R^2$  to  $R^4$  are hydrogen,

$R^5$  is hydrogen,

$R^6$  is (i) hydrogen, (ii)  $C_1$ - $C_4$ -alkyl, (iii)  $C_5$ - $C_6$ -cycloalkyl, (iv) phenyl, (v) pyridyl, (vi)  $C_6$ - $C_{10}$ -arylcarbonyl, where (ii) is optionally substituted by phenyl,  $C_1$ - $C_4$ -alkoxycarbonyl or  $C_1$ - $C_3$ -alkoxy, and (iv), (v) and (vi) are optionally substituted by up to 3 radicals selected independently of one another from the group of  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -hydroxyalkyl, 3- to 8-membered heterocyclyl,  $C_6$ - $C_{10}$ -aryl, 5- to 10-membered heteroaryl, hydroxy, fluorine, chlorine, cyano,  $C_1$ - $C_3$ -alkoxy,  $C_1$ - $C_3$ -acyl, trifluoromethyl, trifluoromethoxy, nitro, amino,  $C_1$ - $C_3$ -alkylamino, or  $C_1$ - $C_3$ -acylamino,

A is sulfur,

X is oxygen,

the ring B is benzo,

or ~~a solvate, a salt or a solvate of a salt~~, a hydrate, or a hydrate of a salt thereof.

6. (Currently amended) A compound as claimed in claim 1, of the formula (I) in which

R<sup>1</sup> is 1-azabicyclo[2.2.2]oct-3-yl,

R<sup>2</sup> is hydrogen,

R<sup>3</sup> is hydrogen,

R<sup>4</sup> is hydrogen,

R<sup>5</sup> is hydrogen,

R<sup>6</sup> is (i) hydrogen, (ii) C<sub>1</sub>-C<sub>4</sub>-alkyl, (iii) cyclopentyl, cyclohexyl, (iv) phenyl, (v) benzyl, (vi) phenethyl, where (iv) to (vi) are optionally substituted by up to 3 radicals selected independently of one another from the group of hydroxy, chlorine, fluorine, cyano, methoxy, ethoxy, C<sub>1</sub>-C<sub>4</sub>-acyl, trifluoromethyl, trifluoromethoxy, amino, C<sub>1</sub>-C<sub>3</sub>-alkylamino,

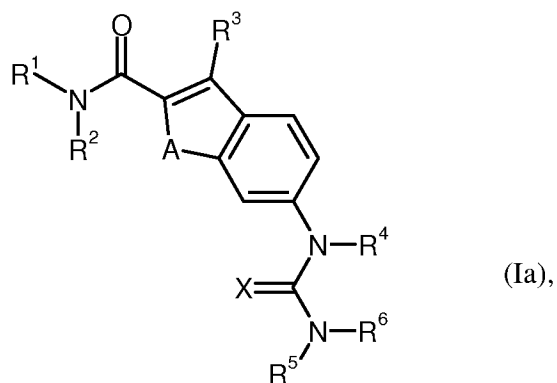
A is sulfur,

X is oxygen and

the ring B is benzo,

~~or a solvate, a salt or a solvate of a salt~~, a hydrate, or a hydrate of a salt thereof.

7. (Currently amended) A compound of the formula

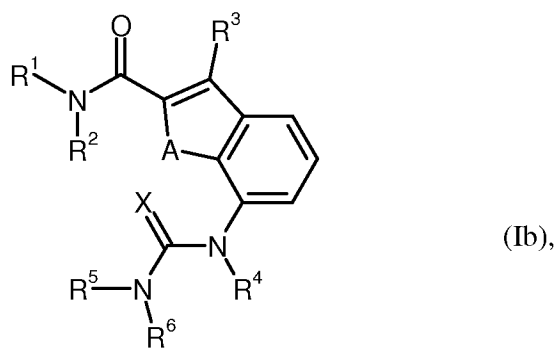


in which

$R^1$  to  $R^6$ , A and X have the meanings indicated in claim 1,

or ~~a solvate, a salt or a solvate of a salt~~, a hydrate, or a hydrate of a salt thereof.

8. (Currently amended) A compound of the formula



in which

$R^1$  to  $R^6$ , A and X have the meanings indicated in claim 1,



or ~~a solvate, a salt or a solvate of a salt~~, a hydrate, or a hydrate of a salt thereof.

9. (Canceled)

10. (Canceled) .

11. (Canceled).

12. (Canceled)

13. (Withdrawn, Currently Amended) A ~~medicament~~ pharmaceutical composition comprising at least one compound as claimed in claim 1 and at least one pharmaceutically acceptable, ~~essentially nontoxic~~ carrier or excipient.

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Canceled)